

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1-20 Canceled.

21. (Currently amended) ~~An implantable article for separation and regeneration of tissue at a tissue defect site~~ A substrate comprising a substantially planar structure having at least one microtextured upper and lower surfaces; said upper surface one of said surfaces comprising grooves and ridges having a width and a height of about 2 to about 10 microns, proportioned to a cell morphology of soft tissue cells; and said lower surface another of said surfaces comprising grooves and ridges having a width and a height of about 8 to about 25 microns, proportioned to a cell morphology of bone tissue cells for promoting bone tissue growth; said article substrate being substantially planar and biocompatible.

22. (Currently amended) The substrate of claim 21, wherein said article substrate has a thickness of between about 200 and about 500 microns.

23. (Currently amended) The article substrate of claim 22, wherein said article substrate is flexible.

24. (Currently amended) The article substrate of claim 21, wherein said article substrate is bioabsorbable.

25. (Currently amended) The article substrate of claim 21, wherein said article substrate is made of at least one material selected from the group consisting of polylactic acid homopolymers, polyglycolic acid co-polymers, polylactones, polypeptides, polyvinyl

alcohols, Hench's bioglass, fibrinogen and polyimino-carbonate, and natural polymers including collagen and polysaccharides.

26. (Currently amended) The article substrate of claim 25, wherein a weight of said material is in a range of one to five grams/cm².

27. (Currently amended) The article substrate of claim 21, wherein said lower surface has osteoconductive chemical properties.

28. (New) A biocompatible substrate comprising a substantially planar structure having at least one microtextured surface; said surface comprising a plurality of alternating grooves and ridges having a width and a height of about 1.5 to about 12 microns for promoting soft tissue or bone tissue growth.

29. (New) The substrate of claim 28, wherein said substrate comprising microtextured first surface and an opposing surface; said first surface comprising grooves and ridges having a width and a height of about 2 to about 10 microns, proportioned to soft tissue cells; and said opposing surface comprising grooves and ridges having a width and a height of about 8 to about 12 microns, proportioned to bone tissue cells for promoting bone tissue growth.

30. (New) The substrate of claim 28, wherein said substrate has a thickness of between about 200 and about 500 microns.

31. (New) The substrate of claim 28, wherein said substrate has a thickness of about 500 microns.

32. (New) The substrate of claim 28, wherein said substrate is flexible.

33. (New) The substrate of claim 28, wherein said substrate is bioabsorbable.

34. (Currently amended) The substrate of claim 28, wherein said substrate is made of at least one material selected from the group consisting of polylactic acid homopolymers, polyglycolic acid co-polymers, polylactones, polypeptides, polyvinyl alcohols; Hench's bioglass, fibrinogen and polyimino-carbonate, and natural polymers including collagen and polysaccharides.

35. (New) The substrate of claim 34, wherein a weight of said material is in a range of one to five grams/cm².

36. (New) The substrate of claim 28, wherein said opposing surface has osteoconductive chemical properties.